

INTERNATIONAL SEARCH REPORT

Int. Application No.
PCT/IB2004/002002

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B67C3/22 B67C3/10 B67C3/26 B67C3/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B67C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 323 667 A (SIG SIMONAZZI S P A) 2 July 2003 (2003-07-02) paragraphs '0022!', '0026!', '0029!; figures	1-4 5
X	US 4 436 124 A (BORSTELMANN WOLFGANG) 13 March 1984 (1984-03-13) column 1, line 66 - column 2, line 5 column 2, line 50 - line 62 figures 1,2	1-3
X	DE 42 19 082 A (KRONSEDER MASCHF KRONES) 16 December 1993 (1993-12-16) abstract; figures	1-3
A	EP 0 574 321 A (SCOMA S A) 15 December 1993 (1993-12-15) figures 6,7	1,5
	----- -/-	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

23 September 2004

Date of mailing of the international search report

01/10/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Martínez Navarro, A.

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/IB2004/002002

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 409 798 A (SARCOMI SPA) 23 January 1991 (1991-01-23) figures 5,7 -----	1,5

INTERNATIONAL SEARCH REPORT

Information on patent family members

Initial Application No

PCT/IB2004/002002

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1323667	A	02-07-2003	EP 1323667 A1	02-07-2003
US 4436124	A	13-03-1984	DE 3102678 A1 NL 8105734 A	02-09-1982 16-08-1982
DE 4219082	A	16-12-1993	DE 4219082 A1	16-12-1993
EP 0574321	A	15-12-1993	FR 2692243 A1 EP 0574321 A1	17-12-1993 15-12-1993
EP 0409798	A	23-01-1991	IT 1234001 B BR 9002602 A EP 0409798 A1 US 5095958 A	22-04-1992 20-08-1991 23-01-1991 17-03-1992